

Title (en)

METHOD FOR SEPARATING HEAVY WATER AND LIGHT WATER

Title (de)

VERFAHREN ZUR TRENNUNG VON SCHWEREM WASSER UND LEICHTEM WASSER

Title (fr)

PROCÉDÉ POUR SÉPARER DE L'EAU LOURDE ET DE L'EAU LÉGÈRE

Publication

EP 3441361 A1 20190213 (EN)

Application

EP 18197505 A 20150827

Priority

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- JP 2015074154 W 20150827

Abstract (en)

A method for separating water into light water, and heavy water and semi-heavy water, comprising an adsorption step of supplying water vapor to a predetermined adsorbent (2) at pressure at which heavy water and semi-heavy water are adsorbed by the adsorbent (2) and light water is not easily adsorbed, and causing the heavy water and the semi-heavy water to be adsorbed, wherein the pressure for supplying the water vapor in the adsorption step is a low pressure which is equal to or lower than a pressure having a maximum inclination of an adsorption isotherm of light water in the adsorbent (2).

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- JP 2008512338 A 20080424
- JP 2012158499 A 20120823 - FC KAIHATSU KK

Citation (search report)

- [X] JP H10128072 A 19980519 - MITSUBISHI HEAVY IND LTD
- [A] KR 100736020 B1 20070706 - KOREA ATOMIC ENERGY RES [KR], et al
- [A] JP S5334098 A 19780330 - TOKYO SHIBAURA ELECTRIC CO
- [A] DE 2434876 A1 19750403 - ENGELHARD MIN & CHEM

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